

Docket No. AUS920030341US1

CLAIMS:

What is claimed is:

- 5 1. A speech making improvement method using stored data,
the data being audio and video data of participants at
a conference, the method comprising the steps of:

indicating an expression that may have been exhibited
10 by the participants during the conference to search
for;

determining, using the stored data in conjunction with
an automated facial decoding system, whether at least
15 one participant exhibited the indicated expression; and

analyzing the video data representing the at least one
participant exhibiting the expression and the audio
data representing what was being said when the at least
20 one participant exhibited the expression to improve a
speaker's speech making ability.
2. The method of Claim 1 wherein the analyzing step
includes the step of charting expressions exhibited by
25 the at least one participant over time.
3. The method of Claim 1 wherein the analyzing step
includes the step of displaying a percentage of time
the expression is exhibited by the at least one
30 participant.

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4. The method of Claim 1 wherein the analyzing step includes the step of displaying a percentage of participants who exhibited the expression.
- 5 5. The method of Claim 1 wherein the analyzing step includes the step of displaying a percentage of time participants exhibited an expression.
6. The method of Claim 1 wherein the step of determining
10 includes the step of passing the data through a regional/cultural filter for filtering out the expression if it is a regionally/culturally based expression.
- 15 7. The method of Claim 1 wherein the determining step includes the step of passing the data through an individual filter for filtering out the expression if it is an expression particular to the participant.
- 20 8. The method of Claim 1 wherein the determining step includes the step of passing the data through an individual filter for filtering out the expression if it is an expression particular to the participant.
- 25 9. A computer program product on a computer readable medium for improving speeches using stored data, the data being audio and video data of participants at a conference, the computer program product comprising:
30 code means for enabling a user to indicate an expression that may have been exhibited by the participants during the conference to search for;

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5 code means for determining, using the stored data in
 conjunction with an automated facial decoding system,
 whether at least one participant exhibited the
 indicated expression; and

10 code means for analyzing the video data representing
 the at least one participant exhibiting the expression
 and the audio data representing what was being said
 when the at least one participant exhibited the
 expression to improve a speaker's speech making
 ability.

15 10. The computer program product of Claim 9 wherein the
 code means for analyzing includes code means for
 charting expressions exhibited by the at least one
 participant over time.

20 11. The computer program product of Claim 9 wherein the
 analyzing code means includes code means for displaying
 a percentage of time the expression is exhibited by the
 at least one participant.

25 12. The computer program product of Claim 9 wherein the
 analyzing code means includes code means for displaying
 a percentage of participants who exhibited the
 expression.

30 13. The computer program product of Claim 9 wherein the
 analyzing code means includes code means for displaying
 a percentage of time participants exhibited an
 expression.

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14. The computer program product of Claim 9 wherein the
determining code means includes code means for passing
the data through a regional/cultural filter for
5 filtering out the expression if it is a
regionally/culturally based expression.
15. The computer program product of Claim 9 wherein the
determining code means includes code means for passing
10 the data through an individual filter for filtering out
the expression if it is an expression particular to the
participant.
16. The computer program product of Claim 9 wherein the
15 determining code means includes code means for passing
the data through an individual filter for filtering out
the expression if it is an expression particular to the
participant.
- 20 17. A speech making improvement apparatus using stored
data, the data being audio and video data of
participants at a conference, the apparatus comprising:
- 25 means for indicating an expression that may have been
exhibited by the participants during the conference to
search for;
- 30 means for determining, using the stored data in
conjunction with an automated facial decoding system,
whether at least one participant exhibited the
indicated expression; and

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5 means for analyzing the video data representing the at least one participant exhibiting the expression and the audio data representing what was being said when the at least one participant exhibited the expression to improve a speaker's speech making ability.

10 18. The apparatus of Claim 17 wherein the analyzing means includes means for charting expressions exhibited by the at least one participant over time.

15 19. The apparatus of Claim 17 wherein the analyzing means includes means for displaying a percentage of time the expression is exhibited by the at least one participant.

20 20. The apparatus of Claim 17 wherein the analyzing means includes means for displaying a percentage of participants who exhibited the expression.

25 21. The apparatus of Claim 17 wherein the analyzing means includes means for displaying a percentage of time participants exhibited an expression.

30 22. The apparatus of Claim 17 wherein determining means includes means for passing the data through a regional/cultural filter for filtering out the expression if it is a regionally/culturally based expression.

23. The apparatus of Claim 17 wherein the determining means includes means for passing the data through an

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individual filter for filtering out the expression if it is an expression particular to the participant.

24. The apparatus of Claim 17 wherein the determining means
5 includes means for passing the data through an individual filter for filtering out the expression if it is an expression particular to the participant.

25. A speech making improvement system using stored data,
10 the data being audio and video data of participants at a conference, the system comprising:

at least one storage device for storing code data; and

15 at least one processor for processing the code data to enable a user to indicate an expression that may have been exhibited by the participants during the conference to search for, to determine, using the stored data in conjunction with an automated facial
20 decoding system, whether at least one participant exhibited the indicated expression, and to analyze the video data representing the at least one participant exhibiting the expression and the audio data representing what was being said when the at least one
25 participant exhibited the expression to improve a speaker's speech making ability.

26. The system of Claim 25 wherein the code data is further
30 processed to chart expressions exhibited by the at least one participant over time.

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27. The system of Claim 25 wherein the code data is further processed to display a percentage of time the expression is exhibited by the at least one participant.

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28. The system of Claim 25 wherein the code data is further processed to display a percentage of participants who exhibited the expression.

10 29. The system of Claim 25 wherein the code data is further processed to display a percentage of time participants exhibited an expression.

15 30. The system of Claim 25 wherein the code data is further processed to pass the data through a regional/cultural filter for filtering out the expression if it is a regionally/culturally based expression.